FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
University of Texas Medical Branch at Galveston

AUTHORIZING THE OPERATION OF
University of Texas Medical Branch at Galveston
Colleges

LOCATED AT
Galveston County, Texas
Latitude 29° 18' 44" Longitude 94° 46' 40"
Regulated Entity Number: RN101921138

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1531 Issuance Date: _____

_____
For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:
Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.

F. For the purpose of generating emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 1 (Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 101.302 (relating to General Provisions)

(ii) Title 30 TAC § 101.303 (relating to Emission Reduction Credit Generation Certification)

(iii) Title 30 TAC § 101.304 (relating to Mobile Emission Reduction Credit Generation and Certification)

(iv) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)

(v) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit

G. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emission Cap and Trade Program) Requirements:

(i) Title 30 TAC § 101.352 (relating to General Provisions)

(ii) Title 30 TAC § 101.353 (relating to Allocation of Allowances)

(iii) Title 30 TAC § 101.354 (relating to Allowance Deductions)

(iv) Title 30 TAC § 101.356 (relating to Allowance Banking and Trading)

(v) Title 30 TAC § 101.358 (relating to Emission Monitoring and Compliance Demonstration)

(vi) Title 30 TAC § 101.359 (relating to Reporting)

(vii) Title 30 TAC § 101.360 (relating to Level of Activity Certification)

(viii) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed either before or after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1 , shall not exceed 20% opacity averaged over a six minute period. The

permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset.

Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)

(iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions

outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader

C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following

periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in

compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

F. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: Storage of Volatile Organic Compounds, the permit holder shall comply with the requirements of 30 TAC § 115.112(e)(1).

5. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:

A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities, constructed prior to November 15, 1992, with transfers to stationary storage tanks located at a facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:

(i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)

(iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(iv) Title 30 TAC § 115.226(2)(B) (relating to Recordkeeping Requirements)

6. The permit holder shall comply with the following 30 TAC Chapter 115, Subchapter F requirements (relating to Cutback Asphalt Requirements):

A. Title 30 TAC § 115.512(2) (relating to Control Requirements)

7. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

8. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

9. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCCC, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1380 incorporated by reference):

A. Title 40 CFR § 63.11111(e), for records of monthly throughput

B. Title 40 CFR § 63.11111(i), for compliance due to increase of throughput

C. Title 40 CFR § 63.11113(c), for compliance due to increase of throughput

D. Title 40 CFR § 63.11115(a), for operation of the source

E. Title 40 CFR § 63.11116(a) and (a)(1) - (4), for work practices

F. Title 40 CFR § 63.11116(b), for records availability

G. Title 40 CFR § 63.11116(d), for portable gasoline containers

Additional Monitoring Requirements

10. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

11. The permit holder shall comply with the terms and conditions of the air addendum of the municipal solid waste permit listed in the New Source Review Authorization Reference Attachment. Requirements other than those of the air addendum are not applicable to this operating permit.

12. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

13. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

14. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

15. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

16. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

    A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:

        (i) For sources in the Houston-Galveston-Brazoria Nonattainment area, 30 TAC § 117.9020:

            (1) Title 30 TAC § 117.9020(2)(A), (C), and (D)

    B. The permit holder shall comply with the Initial Control Plan unit listing requirement in 30 TAC § 117.350(c) and (c)(1).

    C. The permit holder shall comply with the requirements of 30 TAC § 117.354 for Final Control Plan Procedures for Attainment Demonstration Emission Specifications and 30 TAC § 117.356 for Revision of Final Control Plan.

17. Use of Emission Credits to comply with applicable requirements:

A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) Offsets for Title 30 TAC Chapter 116

B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)

(ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1

(iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)

18. Use of Discrete Emission Credits to comply with the applicable requirements:

A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) If applicable, offsets for Title 30 TAC Chapter 116

(iv) Temporarily exceed state NSR permit allowables

B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

(ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

(iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Protection of Stratospheric Ozone

19. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:

A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

B. Any on site servicing, maintenance, and repair of fleet vehicle air conditioning using ozone-depleting refrigerants shall be conducted in accordance with 40 CFR Part 82, Subpart B. Permit holders shall ensure that repairs or refrigerant removal are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart B.

Permit Location

20. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

21. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Acid Rain Unit Exemptions

22. As reference only information, the following units (WP-CTGHRSG & EP-CTGHRSG) have received acid rain unit exemptions and are not incorporated into the Acid Rain Permit.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Note: A "none" entry may be noted for some emission sources in this permit's "Applicable Requirements Summary" under the heading of "Monitoring and Testing Requirements" and/or "Recordkeeping Requirements" and/or "Reporting Requirements." Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
BOILER9	Boilers/Steam Generators/Steam Generating Units	N/A	R7201-8	30 TAC Chapter 117, Subchapter B	No changing attributes.
BOILER9	Boilers/Steam Generators/Steam Generating Units	N/A	60Db	40 CFR Part 60, Subpart Db	No changing attributes.
ENGINE8	Stationary Reciprocating Int. Comb. Engines	N/A	R7ICI-ENG2	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRP-BLR1	Boilers/Steam Generators/Steam Generating Units	BOILER1, BOILER2	R200	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
GRP-BLR1	Boilers/Steam Generators/Steam Generating Units	BOILER1, BOILER2	R7201-7	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRP-BLR5	Boilers/Steam Generators/Steam Generating Units	BOILER10N	R7201-4	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRP-BLR5	Boilers/Steam Generators/Steam Generating Units	BOILER10N	60Dc-2	40 CFR Part 60, Subpart Dc	No changing attributes.
GRP-BLR6	Boilers/Steam Generators/Steam Generating Units	BOILER11A, BOILER11B, BOILER12A	R7201-5	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRP-BLR7	Boilers/Steam Generators/Steam Generating Units	BLD61-BLR1, BLD61-BLR2, BLD61-BLR3	R7201-6	30 TAC Chapter 117, Subchapter B	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-BLR7	Boilers/Steam Generators/Steam Generating Units	BLD61-BLR1, BLD61-BLR2, BLD61-BLR3	60Dc-3	40 CFR Part 60, Subpart Dc	No changing attributes.
GRPCTG	Stationary Turbines	EP-CTGHRSG, WP-CTGHRSG	R7201-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPCTG	Stationary Turbines	EP-CTGHRSG, WP-CTGHRSG	60KKKK	40 CFR Part 60, Subpart KKKK	No changing attributes.
GRPDCTBURN	Boilers/Steam Generators/Steam Generating Units	EP-HRSG, WP-HRSG	R7201-3	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRP-ENG06	Stationary Reciprocating Int. Comb. Engines	ENGINE31	63ZZZZ-6	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENG07	Stationary Reciprocating Int. Comb. Engines	ENGINE32, ENGINE33	60III-2	40 CFR Part 60, Subpart IIII	No changing attributes.
GRP-ENG07	Stationary Reciprocating Int. Comb. Engines	ENGINE32, ENGINE33	63ZZZZ-7	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENG1	Stationary Reciprocating Int. Comb. Engines	ENGINE4	R7ICI-ENG1	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRP-ENG11	Stationary Reciprocating Int. Comb. Engines	ENGINE22, ENGINE43, ENGINE44, ENGINE45, ENGINE46, ENGINE47, ENGINE48, ENGINE51, ENGINE52,	R7201-14	30 TAC Chapter 117, Subchapter B	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		ENGINE53, ENGINE54			
GRP-ENG11	Stationary Reciprocating Int. Comb. Engines	ENGINE22, ENGINE43, ENGINE44, ENGINE45, ENGINE46, ENGINE47, ENGINE48, ENGINE51, ENGINE52, ENGINE53, ENGINE54	60III-3	40 CFR Part 60, Subpart IIII	No changing attributes.
GRP-ENG11	Stationary Reciprocating Int. Comb. Engines	ENGINE22, ENGINE43, ENGINE44, ENGINE45, ENGINE46, ENGINE47, ENGINE48, ENGINE51, ENGINE52, ENGINE53, ENGINE54	63ZZZZ-8	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-ENG2	Stationary Reciprocating Int. Comb. Engines	ENGINE15, ENGINE16, ENGINE17, ENGINE18, ENGINE19, ENGINE20,	R7ICI-ENG2	30 TAC Chapter 117, Subchapter B	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		ENGINE24, ENGINE25, ENGINE26, ENGINE28, ENGINE3, ENGINE5, ENGINE6			
GRP-ENG250	Stationary Reciprocating Int. Comb. Engines	ENGINE11, ENGINE14, ENGINE27, ENGINE9	R7ICI-ENG2	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRP-ENG2A	Stationary Reciprocating Int. Comb. Engines	ENGINE12, ENGINE13, ENGINE29	R7ICI-ENG1	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRP-ENG5	Stationary Reciprocating Int. Comb. Engines	ENGINE37-4, ENGINE38-5, ENGINE39-6, ENGINE41-8, ENGINE42-9	63ZZZZ-9	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-PRT1	Printing Units	PRINT1, PRINT2	R5442	30 TAC Chapter 115, Offset Lithographic Printing	No changing attributes.
GRP-TANK1	Storage Tanks/Vessels	TANK1, TANK2	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
INCIN-3	Incinerator	N/A	60EC-1	40 CFR Part 60, Subpart Ec	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BOILER9	EU	R7201-8	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(A) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a)(2)(A) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
BOILER9	EU	R7201-8	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.8120	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 117.335(f)(3) § 117.335(g) § 117.340(a)(2)(A) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(g) § 117.8100(b) § 117.8100(b)(1) [G]§ 117.8100(b)(1)(A) § 117.8100(b)(1)(B) § 117.8100(b)(2) § 117.8100(b)(3) § 117.8100(b)(3)(A) § 117.8100(b)(3)(B) § 117.8100(b)(4) § 117.8100(b)(4)(A) § 117.8100(b)(4)(A)(i) § 117.8100(b)(4)(A)(i)(II) § 117.8100(b)(4)(A)(i)(III) [G]§ 117.8100(b)(4)(B) § 117.8100(b)(4)(C) § 117.8100(b)(4)(C)(i) § 117.8100(b)(4)(C)(ii) § 117.8100(b)(4)(C)(iii) § 117.8100(b)(4)(C)(iii)(I) § 117.8100(b)(4)(C)(iii)(II) § 117.8100(b)(4)(C)(iii)(II)(-a-) § 117.8100(b)(4)(C)(iii)(II)(-b-) § 117.8100(b)(5) § 117.8100(b)(6) § 117.8120(1) § 117.8120(1)(B)		§ 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
BOILER9	EU	60Db	SO_2	40 CFR Part 60, Subpart Db	§ 60.42b(k)(2)	Units firing only very low sulfur oil and/or a mixture of gaseous fuels with a potential SO2 emission rate of	§ 60.47b(f)	§ 60.45b(k) § 60.49b(o) § 60.49b(r) § 60.49b(r)(1)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(r) § 60.49b(r)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						140 ng/J (0.32 lb/MMBtu) heat input or less are exempt from the SO2 emissions limit in §60.42b(k)(1).			
BOILER9	EU	60Db	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
BOILER9	EU	60Db	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
BOILER9	EU	60Db	NO_X	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/JI (0.20	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(4) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(h)(4) § 60.49b(i)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						lb/million Btu) heat input unless the affected facility meets the specified requirements.	§ 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f) § 60.48b(g)(1)		§ 60.49b(v) § 60.49b(w)
ENGINE8	EU	R7ICI-ENG2	EXEMPT	30 TAC Chapter 117, Subchapter B	§ 117.303(a)(6)(D) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average.	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
GRP-BLR1	EU	R200	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						ppmv at actual stack conditions and averaged over 3-hours.			
GRP-BLR1	EU	R7201-7	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(A) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a)(2)(A) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRP-BLR1	EU	R7201-7	CO	30 TAC Chapter	§ 117.310(c)(1)	CO emissions must	[G]§ 117.335(a)(1)	§ 117.345(a)	§ 117.335(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				117, Subchapter B	§ 117.310(c)(1)(A) § 117.310(c)(3) § 117.8120	not exceed 400 ppmv at 3.0% O 2, dry basis.	§ 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a)(2)(A) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(g) § 117.8100(b) § 117.8100(b)(1) [G]§ 117.8100(b)(1)(A) § 117.8100(b)(1)(B) § 117.8100(b)(2) § 117.8100(b)(3) § 117.8100(b)(3)(A) § 117.8100(b)(3)(B) § 117.8100(b)(4) § 117.8100(b)(4)(A) § 117.8100(b)(4)(A)(i) § 117.8100(b)(4)(A)(i)(II) § 117.8100(b)(4)(A)(i)(III) [G]§ 117.8100(b)(4)(B) § 117.8100(b)(4)(C) § 117.8100(b)(4)(C)(i) § 117.8100(b)(4)(C)(ii) § 117.8100(b)(4)(C)(iii) § 117.8100(b)(4)(C)(iii)(I) § 117.8100(b)(4)(C)(iii)(II) § 117.8100(b)(4)(C)(iii)(II)(-a-) § 117.8100(b)(4)(C)(iii)(II)(-b-) § 117.8100(b)(5) § 117.8100(b)(6) § 117.8120(1) § 117.8120(1)(B)	§ 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRP-BLR5	EU	R7201-4	NO_X	30 TAC Chapter	§ 117.310(d)(3)	An owner or	[G]§ 117.335(a)(1)	§ 117.345(a)	§ 117.335(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				117, Subchapter B	§ 117.310(a) § 117.310(a)(1)(C) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	§ 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
GRP-BLR5	EU	R7201-4	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) § 117.8120	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B)		§ 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
GRP-BLR5	EU	60Dc-2	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRP-BLR5	EU	60Dc-2	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRP-BLR5	EU	60Dc-2	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						design heat input capacity of 2.9-29 megawatts (MW).			
GRP-BLR6	EU	R7201-5	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(C) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
GRP-BLR6	EU	R7201-5	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) § 117.8120	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B)		[G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
GRP-BLR7	EU	R7201-6	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(C) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						in § 117.9800 to comply with § 117.320.			
GRP-BLR7	EU	R7201-6	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) § 117.8120	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
GRP-BLR7	EU	60Dc-3	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRP-BLR7	EU	60Dc-3	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).			
GRP-BLR7	EU	60Dc-3	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRPCTG	EU	R7201-1	NO_x	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(10)(B) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(g) § 117.340(a)(2)(D) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2)	§ 117.345(a) § 117.345(f) § 117.345(f)(12) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		
GRPCTG	EU	R7201-1	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(A) § 117.340(f)(1)	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a)(2)(D) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)	§ 117.345(a) § 117.345(f) § 117.345(f)(12) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPCTG	EU	R7201-1	NH_3	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(2) § 117.310(c)(2)(B) § 117.340(f)(1)	For stationary gas turbines that inject urea or ammonia into the exhaust stream for NO_x control, ammonia emissions must not exceed 10 ppmv at 15% O_2, dry.	§ 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(d) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8130 § 117.8130(4)	§ 117.345(a) § 117.345(f) § 117.345(f)(11) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRPCTG	EU	60KKKK	NO_X	40 CFR Part 60, Subpart KKKK	§ 60.4320(a)-Table 1 § 60.4320(a) § 60.4320(b) § 60.4325 § 60.4333(a) § 60.4335(b)(1) [G]§ 60.4345	New turbine firing natural gas with a heat input at peak load greater than 50 MMBtu/h and less than or equal to 850 MMBtu/h must meet the nitrogen oxides emission standard of 25 ppm at 15 percent O_2.	§ 60.4335(b)(1) [G]§ 60.4345 § 60.4350(a) § 60.4350(b) § 60.4350(c) § 60.4350(d) § 60.4350(e) § 60.4350(f) § 60.4350(h) [G]§ 60.4400(a) § 60.4400(b) § 60.4400(b)(1) § 60.4400(b)(2) § 60.4400(b)(4)	[G]§ 60.4345 § 60.4350(b)	[G]§ 60.4345 § 60.4350(d) § 60.4375(a) § 60.4380 [G]§ 60.4380(b) § 60.4395

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 60.4400(b)(5) § 60.4400(b)(6) [G]§ 60.4405		
GRPCTG	EU	60KKKK	SO_2	40 CFR Part 60, Subpart KKKK	§ 60.4330(a)(2) § 60.4333(a)	You must not burn in the subject stationary combustion turbine any fuel which contains total potential sulfur emissions in excess of 26 ng SO2/J (0.060 lb SO2/MMBtu) heat input. If your turbine simultaneously fires multiple fuels, each fuel must meet this requirement.	§ 60.4365 § 60.4365(a) § 60.4415(a) § 60.4415(a)(1) § 60.4415(a)(1)(ii)	§ 60.4365(a)	§ 60.4375(a)
GRPDCTBURN	EU	R7201-3	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) § 117.8120	CO emissions must not exceed 400 ppmv at 3.0% O 2, dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120(1) § 117.8120(1)(A)		§ 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRPDCTBURN	EU	R7201-3	NH_3	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(2) § 117.310(c)(2)(B) § 117.340(f)(1)	For boilers that inject urea or ammonia into the exhaust stream for NO_x control, ammonia emissions must not exceed 10 ppmv at 3.0% O_2, dry.	§ 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(d) [G]§ 117.340(f)(2) [G]§ 117.340(g) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8130 § 117.8130(4)	§ 117.345(a) § 117.345(f) § 117.345(f)(11) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPDCTBURN	EU	R7201-3	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(B) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO_x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRP-ENG06	EU	63ZZZZ-6	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1)	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
GRP-ENG07	EU	60III-2	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						60.4202(a)(2) and 40 CFR 89.112(a).			
GRP-ENG07	EU	60III-2	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)
GRP-ENG07	EU	60III-2	PM (OPACITY)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power >	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).			
GRP-ENG07	EU	60III-2	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
GRP-ENG07	EU	63ZZZZ-7	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
GRP-ENG1	EU	R7ICI-ENG1	EXEMPT	30 TAC Chapter 117, Subchapter B	§ 117.303(a)(6)(D) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1),	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average.			
GRP-ENG11	EU	R7201-14	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)			
GRP-ENG11	EU	60III-3	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)
GRP-ENG11	EU	60III-3	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 89.112(a)	560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
GRP-ENG11	EU	60III-3	PM (OPACITY)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).			
GRP-ENG11	EU	60III-3	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)
GRP-ENG11	EU	63ZZZZ-8	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
GRP-ENG2	EU	R7ICI-ENG2	EXEMPT	30 TAC Chapter 117, Subchapter B	§ 117.303(a)(6)(D) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average.			
GRP-ENG250	EU	R7ICI-ENG2	EXEMPT	30 TAC Chapter 117, Subchapter B	§ 117.303(a)(6)(D) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average.	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
GRP-ENG2A	EU	R7ICI-ENG1	EXEMPT	30 TAC Chapter 117, Subchapter B	§ 117.303(a)(6)(D) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and	None	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						(10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average.			
GRP-ENG5	EU	63ZZZZ-9	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						engines as applicable. No further requirements apply for such engines under this part.			
GRP-PRT1	EU	R5442	VOC	30 TAC Chapter 115, Offset Lithographic Printing	§ 115.440 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Offset Lithographic Printing	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Offset Lithographic Printing	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Offset Lithographic Printing	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Offset Lithographic Printing	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Offset Lithographic Printing
GRP-TANK1	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None
INCIN-3	EU	60EC-1	NO_x	40 CFR Part 60, Subpart Ec	§ 60.52c(a) § 60.52c(a)(1)-Table 1A § 60.52c(a)(2)-Table 1B § 60.53c(b) § 60.53c(c) [G]§ 60.53c(c) [G]§ 60.53c(d) § 60.53c(e) [G]§ 60.53c(f)	Owner or operator shall not allow to be discharged into the atmosphere gases that contain stacks emissions in excess of the limits in Table 1A for a facility constructed between 6/20/1996 & 12/1/2008, or	[G]§ 60.56c(b) § 60.56c(c) § 60.56c(c)(1) § 60.56c(c)(2) [G]§ 60.56c(c)(4) [G]§ 60.56c(d) § 60.56c(f) § 60.56c(i) § 60.57c(a) § 60.57c(c) § 60.57c(e)	[G]§ 60.53c(h) [G]§ 60.53c(i) § 60.53c(j) § 60.55c § 60.58c(b) § 60.58c(b)(1) § 60.58c(b)(10) § 60.58c(b)(11) § 60.58c(b)(2) § 60.58c(b)(2)(i) § 60.58c(b)(2)(ii)	[G]§ 60.58c(a) [G]§ 60.58c(c) [G]§ 60.58c(d) § 60.58c(e) § 60.58c(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.53c(g) [G]§ 60.53c(i) § 60.54c(a) § 60.54c(b) § 60.55c § 60.56c(a) [G]§ 60.56c(d) [G]§ 60.56c(f)	modified between 3/16/1998 & 4/6/2010; and in Table 1B for a facility constructed after 12/1/2008 or modified after 4/6/2010.	§ 60.57c(f) § 60.57c(g)	§ 60.58c(b)(2)(iii) § 60.58c(b)(2)(ix) § 60.58c(b)(2)(x) § 60.58c(b)(2)(xi) § 60.58c(b)(2)(xii) § 60.58c(b)(2)(xiii) § 60.58c(b)(2)(xiv) § 60.58c(b)(2)(xv) § 60.58c(b)(3) § 60.58c(b)(4) § 60.58c(b)(5) § 60.58c(b)(6) § 60.58c(b)(7) § 60.58c(b)(8) § 60.58c(b)(9) § 60.58c(f)	
INCIN-3	EU	60EC-1	OPACITY	40 CFR Part 60, Subpart Ec	§ 60.52c(b) § 60.52c(b)(1) § 60.52c(b)(2) § 60.53c(a) [G]§ 60.53c(b) [G]§ 60.53c(c) [G]§ 60.53c(d) § 60.53c(e) [G]§ 60.53c(f) [G]§ 60.53c(g) [G]§ 60.53c(i) § 60.54c(a) § 60.54c(b) § 60.55c § 60.56c(a) [G]§ 60.56c(d) [G]§ 60.56c(f)	Owner or operator shall not allow to be discharged into the atmosphere from an affected facility any gases that exhibit greater than 10% opacity as defined in §60.50c(a)(1) and (2), or any gases that exhibit greater than 6% opacity as defined in §60.50c(a)(3) and (4).	[G]§ 60.56c(b) § 60.56c(c) § 60.56c(c)(1) [G]§ 60.56c(c)(4) [G]§ 60.56c(d) § 60.56c(f) § 60.56c(i) § 60.57c(a) § 60.57c(c) § 60.57c(e) [G]§ 60.57c(f) § 60.57c(g)	[G]§ 60.53c(h) [G]§ 60.53c(i) § 60.53c(j) § 60.55c § 60.58c(b) § 60.58c(b)(1) § 60.58c(b)(10) § 60.58c(b)(11) § 60.58c(b)(2) § 60.58c(b)(2)(i) § 60.58c(b)(2)(ii) § 60.58c(b)(2)(iii) § 60.58c(b)(2)(ix) § 60.58c(b)(2)(x) § 60.58c(b)(2)(xi) § 60.58c(b)(2)(xii) § 60.58c(b)(2)(xiii) § 60.58c(b)(2)(xiv) § 60.58c(b)(2)(xv) § 60.58c(b)(3) § 60.58c(b)(4) § 60.58c(b)(5) § 60.58c(b)(6)	[G]§ 60.58c(a) [G]§ 60.58c(c) [G]§ 60.58c(d) § 60.58c(e) § 60.58c(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
								§ 60.58c(b)(7) § 60.58c(b)(8) § 60.58c(b)(9) § 60.58c(f)	
INCIN-3	EU	60EC-1	PM (OPACITY)	40 CFR Part 60, Subpart Ec	§ 60.52c(c) § 60.52c(d) § 60.53c(a) § 60.53c(b) [G]§ 60.53c(c) [G]§ 60.53c(d) § 60.53c(e) [G]§ 60.53c(f) [G]§ 60.53c(g) [G]§ 60.53c(i) § 60.54c(a) § 60.54c(b) § 60.55c § 60.56c(a) [G]§ 60.56c(f)	Owner or operator of an affected facility as defined in §60.50c(a)(1) and (2),and§60.50c(a)(3) and (4) shall not allow to be discharged into the atmosphere visible emissions of combustion ash from an ash conveying system in excess of 5% of the observation period.	[G]§ 60.56c(b) § 60.56c(c) § 60.56c(c)(1) [G]§ 60.56c(c)(3) § 60.56c(i) § 60.57c(a) § 60.57c(c)	[G]§ 60.53c(h) [G]§ 60.53c(i) § 60.53c(j) § 60.55c § 60.58c(b) § 60.58c(b)(1) § 60.58c(b)(10) § 60.58c(b)(11) § 60.58c(b)(2) § 60.58c(b)(2)(i) § 60.58c(b)(2)(ii) § 60.58c(b)(2)(iii) § 60.58c(b)(2)(ix) § 60.58c(b)(2)(x) § 60.58c(b)(2)(xi) § 60.58c(b)(2)(xii) § 60.58c(b)(2)(xiii) § 60.58c(b)(2)(xiv) § 60.58c(b)(2)(xv) § 60.58c(b)(3) § 60.58c(b)(4) § 60.58c(b)(5) § 60.58c(b)(6) § 60.58c(b)(7) § 60.58c(b)(8) § 60.58c(b)(9) § 60.58c(f)	§ 60.52c(e) [G]§ 60.58c(a) [G]§ 60.58c(c) [G]§ 60.58c(d) § 60.58c(e) § 60.58c(g)
INCIN-3	EU	60EC-1	CO	40 CFR Part 60, Subpart Ec	§ 60.52c(a) § 60.52c(a)(1)-Table 1A § 60.52c(a)(2)-Table 1B § 60.53c(b) [G]§ 60.53c(c)	Owner or operator shall not allow to be discharged into the atmosphere gases that contain stacks emissions in excess of the limits in	[G]§ 60.56c(b) § 60.56c(c) § 60.56c(c)(1) § 60.56c(c)(2) [G]§ 60.56c(c)(4) [G]§ 60.56c(d) § 60.56c(f)	[G]§ 60.53c(h) [G]§ 60.53c(i) § 60.53c(j) § 60.55c § 60.58c(b) § 60.58c(b)(1) § 60.58c(b)(10)	[G]§ 60.58c(a) [G]§ 60.58c(c) [G]§ 60.58c(d) § 60.58c(e) § 60.58c(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.53c(d) § 60.53c(e) [G]§ 60.53c(f) [G]§ 60.53c(g) [G]§ 60.53c(i) § 60.54c(a) § 60.54c(b) § 60.55c § 60.56c(a) [G]§ 60.56c(d) [G]§ 60.56c(f)	Table 1A for a facility constructed between 6/20/1996 & 12/1/2008, or modified between 3/16/1998 & 4/6/2010; and in Table 1B for a facility constructed after 12/1/2008 or modified after 4/6/2010.	§ 60.56c(i) § 60.57c(a) § 60.57c(c) § 60.57c(e) § 60.57c(f) § 60.57c(g)	§ 60.58c(b)(11) § 60.58c(b)(2) § 60.58c(b)(2)(i) § 60.58c(b)(2)(ii) § 60.58c(b)(2)(iii) § 60.58c(b)(2)(ix) § 60.58c(b)(2)(x) § 60.58c(b)(2)(xi) § 60.58c(b)(2)(xii) § 60.58c(b)(2)(xiii) § 60.58c(b)(2)(xiv) § 60.58c(b)(2)(xv) § 60.58c(b)(3) § 60.58c(b)(4) § 60.58c(b)(5) § 60.58c(b)(6) § 60.58c(b)(7) § 60.58c(b)(8) § 60.58c(b)(9) § 60.58c(f)	
INCIN-3	EU	60EC-1	PM	40 CFR Part 60, Subpart Ec	§ 60.52c(a) § 60.52c(a)(1)-Table 1A § 60.52c(a)(2)-Table 1B § 60.53c(b) [G]§ 60.53c(c) [G]§ 60.53c(d) § 60.53c(e) [G]§ 60.53c(f) [G]§ 60.53c(g) [G]§ 60.53c(i) § 60.54c(a) § 60.54c(b) § 60.55c § 60.56c(a) [G]§ 60.56c(d) [G]§ 60.56c(f)	Owner or operator shall not allow to be discharged into the atmosphere gases that contain stacks emissions in excess of the limits in Table 1A for a facility constructed between 6/20/1996 & 12/1/2008, or modified between 3/16/1998 & 4/6/2010; and in Table 1B for a facility constructed after 12/1/2008 or modified after 4/6/2010.	[G]§ 60.56c(b) § 60.56c(c) § 60.56c(c)(1) § 60.56c(c)(2) [G]§ 60.56c(c)(4) [G]§ 60.56c(d) § 60.56c(f) § 60.56c(i) § 60.57c(a) § 60.57c(c) § 60.57c(e) § 60.57c(f) § 60.57c(g)	[G]§ 60.53c(h) [G]§ 60.53c(i) § 60.53c(j) § 60.55c § 60.58c(b) § 60.58c(b)(1) § 60.58c(b)(10) § 60.58c(b)(11) § 60.58c(b)(2) § 60.58c(b)(2)(i) § 60.58c(b)(2)(ii) § 60.58c(b)(2)(iii) § 60.58c(b)(2)(ix) § 60.58c(b)(2)(x) § 60.58c(b)(2)(xi) § 60.58c(b)(2)(xii) § 60.58c(b)(2)(xiii) § 60.58c(b)(2)(xiv) § 60.58c(b)(2)(xv)	[G]§ 60.58c(a) [G]§ 60.58c(c) [G]§ 60.58c(d) § 60.58c(e) § 60.58c(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
								§ 60.58c(b)(3) § 60.58c(b)(4) § 60.58c(b)(5) § 60.58c(b)(6) § 60.58c(b)(7) § 60.58c(b)(8) § 60.58c(b)(9) § 60.58c(f)	
INCIN-3	EU	60EC-1	HCL1	40 CFR Part 60, Subpart Ec	§ 60.52c(a) § 60.52c(a)(1)-Table 1A § 60.52c(a)(2)-Table 1B § 60.53c(b) [G]§ 60.53c(c) [G]§ 60.53c(d) § 60.53c(e) [G]§ 60.53c(f) [G]§ 60.53c(g) [G]§ 60.53c(i) § 60.54c(a) § 60.54c(b) § 60.55c § 60.55c(a) [G]§ 60.56c(d) [G]§ 60.56c(f)	Owner or operator shall not allow to be discharged into the atmosphere gases that contain stacks emissions in excess of the limits in Table 1A for a facility constructed between 6/20/1996 & 12/1/2008, or modified between 3/16/1998 & 4/6/2010; and in Table 1B for a facility constructed after 12/1/2008 or modified after 4/6/2010.	[G]§ 60.56c(b) § 60.56c(c) § 60.56c(c)(1) § 60.56c(c)(2) [G]§ 60.56c(c)(4) [G]§ 60.56c(d) § 60.56c(f) § 60.56c(i) § 60.57c(a) § 60.57c(c) § 60.57c(e) § 60.57c(f) § 60.57c(g)	[G]§ 60.53c(h) [G]§ 60.53c(i) § 60.53c(j) § 60.55c § 60.58c(b) § 60.58c(b)(1) § 60.58c(b)(10) § 60.58c(b)(11) § 60.58c(b)(2) § 60.58c(b)(2)(i) § 60.58c(b)(2)(ii) § 60.58c(b)(2)(iii) § 60.58c(b)(2)(ix) § 60.58c(b)(2)(x) § 60.58c(b)(2)(xi) § 60.58c(b)(2)(xii) § 60.58c(b)(2)(xiii) § 60.58c(b)(2)(xiv) § 60.58c(b)(2)(xv) § 60.58c(b)(3) § 60.58c(b)(4) § 60.58c(b)(5) § 60.58c(b)(6) § 60.58c(b)(7) § 60.58c(b)(8) § 60.58c(b)(9) § 60.58c(f)	[G]§ 60.58c(a) [G]§ 60.58c(c) [G]§ 60.58c(d) § 60.58c(e) § 60.58c(g)
INCIN-3	EU	60EC-1	SO_2	40 CFR Part 60, Subpart Ec	§ 60.52c(a) § 60.52c(a)(1)-Table 1A	Owner or operator shall not allow to be discharged into the	[G]§ 60.56c(b) § 60.56c(c) § 60.56c(c)(1)	[G]§ 60.53c(h) [G]§ 60.53c(i) § 60.53c(j)	[G]§ 60.58c(a) [G]§ 60.58c(c) [G]§ 60.58c(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.52c(a)(2)-Table 1B § 60.53c(b) [G]§ 60.53c(c) [G]§ 60.53c(d) § 60.53c(e) [G]§ 60.53c(f) [G]§ 60.53c(g) [G]§ 60.53c(i) § 60.54c(a) § 60.54c(b) § 60.55c § 60.56c(a) [G]§ 60.56c(d) [G]§ 60.56c(f)	atmosphere gases that contain stacks emissions in excess of the limits in Table 1A for a facility constructed between 6/20/1996 & 12/1/2008, or modified between 3/16/1998 & 4/6/2010; and in Table 1B for a facility constructed after 12/1/2008 or modified after 4/6/2010.	§ 60.56c(c)(2) [G]§ 60.56c(c)(4) [G]§ 60.56c(d) § 60.56c(f) § 60.56c(i) § 60.57c(a) § 60.57c(c) § 60.57c(e) § 60.57c(f) § 60.57c(g)	§ 60.55c § 60.58c(b) § 60.58c(b)(1) § 60.58c(b)(10) § 60.58c(b)(11) § 60.58c(b)(2) § 60.58c(b)(2)(i) § 60.58c(b)(2)(ii) § 60.58c(b)(2)(iii) § 60.58c(b)(2)(ix) § 60.58c(b)(2)(x) § 60.58c(b)(2)(xi) § 60.58c(b)(2)(xii) § 60.58c(b)(2)(xiii) § 60.58c(b)(2)(xiv) § 60.58c(b)(2)(xv) § 60.58c(b)(3) § 60.58c(b)(4) § 60.58c(b)(5) § 60.58c(b)(6) § 60.58c(b)(7) § 60.58c(b)(8) § 60.58c(b)(9) § 60.58c(f)	§ 60.58c(e) § 60.58c(g)
INCIN-3	EU	60EC-1	LEAD	40 CFR Part 60, Subpart Ec	§ 60.52c(a) § 60.52c(a)(1)-Table 1A § 60.52c(a)(2)-Table 1B § 60.53c(b) [G]§ 60.53c(c) [G]§ 60.53c(d) § 60.53c(e) [G]§ 60.53c(f) [G]§ 60.53c(g) [G]§ 60.53c(i) § 60.54c(a) § 60.54c(b) § 60.55c	Owner or operator shall not allow to be discharged into the atmosphere gases that contain stacks emissions in excess of the limits in Table 1A for a facility constructed between 6/20/1996 & 12/1/2008, or modified between 3/16/1998 & 4/6/2010; and in Table 1B for a	[G]§ 60.56c(b) § 60.56c(c) § 60.56c(c)(1) § 60.56c(c)(2) [G]§ 60.56c(c)(4) [G]§ 60.56c(d) § 60.56c(f) § 60.56c(i) § 60.57c(a) § 60.57c(c) § 60.57c(e) § 60.57c(f) § 60.57c(g)	[G]§ 60.53c(h) [G]§ 60.53c(i) § 60.53c(j) § 60.55c § 60.58c(b) § 60.58c(b)(1) § 60.58c(b)(10) § 60.58c(b)(11) § 60.58c(b)(2) § 60.58c(b)(2)(i) § 60.58c(b)(2)(ii) § 60.58c(b)(2)(iii) § 60.58c(b)(2)(ix) § 60.58c(b)(2)(x) § 60.58c(b)(2)(xi)	[G]§ 60.58c(a) [G]§ 60.58c(c) [G]§ 60.58c(d) § 60.58c(e) § 60.58c(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.56c(a) [G]§ 60.56c(d) [G]§ 60.56c(f)	facility constructed after 12/1/2008 or modified after 4/6/2010.		§ 60.58c(b)(2)(xii) § 60.58c(b)(2)(xiii) § 60.58c(b)(2)(xiv) § 60.58c(b)(2)(xv) § 60.58c(b)(3) § 60.58c(b)(4) § 60.58c(b)(5) § 60.58c(b)(6) § 60.58c(b)(7) § 60.58c(b)(8) § 60.58c(b)(9) § 60.58c(f)	
INCIN-3	EU	60EC-1	CADMIUM	40 CFR Part 60, Subpart Ec	§ 60.52c(a) § 60.52c(a)(1)-Table 1A § 60.52c(a)(2)-Table 1B § 60.53c(b) [G]§ 60.53c(c) [G]§ 60.53c(d) § 60.53c(e) [G]§ 60.53c(f) [G]§ 60.53c(g) [G]§ 60.53c(i) § 60.54c(a) § 60.54c(b) § 60.55c § 60.56c(a) [G]§ 60.56c(d) [G]§ 60.56c(f)	Owner or operator shall not allow to be discharged into the atmosphere gases that contain stacks emissions in excess of the limits in Table 1A for a facility constructed between 6/20/1996 & 12/1/2008, or modified between 3/16/1998 & 4/6/2010; and in Table 1B for a facility constructed after 12/1/2008 or modified after 4/6/2010.	[G]§ 60.56c(b) § 60.56c(c) § 60.56c(c)(1) § 60.56c(c)(2) [G]§ 60.56c(c)(4) [G]§ 60.56c(d) § 60.56c(f) § 60.56c(i) § 60.57c(a) § 60.57c(c) § 60.57c(e) § 60.57c(f) § 60.57c(g)	[G]§ 60.53c(h) [G]§ 60.53c(i) § 60.53c(j) § 60.55c § 60.58c(b) § 60.58c(b)(1) § 60.58c(b)(10) § 60.58c(b)(11) § 60.58c(b)(2) § 60.58c(b)(2)(i) § 60.58c(b)(2)(ii) § 60.58c(b)(2)(iii) § 60.58c(b)(2)(ix) § 60.58c(b)(2)(x) § 60.58c(b)(2)(xi) § 60.58c(b)(2)(xii) § 60.58c(b)(2)(xiii) § 60.58c(b)(2)(xiv) § 60.58c(b)(2)(xv) § 60.58c(b)(3) § 60.58c(b)(4) § 60.58c(b)(5) § 60.58c(b)(6) § 60.58c(b)(7) § 60.58c(b)(8) § 60.58c(b)(9) § 60.58c(f)	[G]§ 60.58c(a) [G]§ 60.58c(c) [G]§ 60.58c(d) § 60.58c(e) § 60.58c(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
INCIN-3	EU	60EC-1	MERCURY	40 CFR Part 60, Subpart Ec	§ 60.52c(a) § 60.52c(a)(1)-Table 1A § 60.52c(a)(2)-Table 1B § 60.53c(b) [G]§ 60.53c(c) [G]§ 60.53c(d) § 60.53c(e) [G]§ 60.53c(f) [G]§ 60.53c(g) [G]§ 60.53c(i) § 60.54c(a) § 60.54c(b) § 60.55c § 60.56c(a) [G]§ 60.56c(d) [G]§ 60.56c(f)	Owner or operator shall not allow to be discharged into the atmosphere gases that contain stacks emissions in excess of the limits in Table 1A for a facility constructed between 6/20/1996 & 12/1/2008, or modified between 3/16/1998 & 4/6/2010; and in Table 1B for a facility constructed after 12/1/2008 or modified after 4/6/2010.	[G]§ 60.56c(b) § 60.56c(c) § 60.56c(c)(1) § 60.56c(c)(2) [G]§ 60.56c(c)(4) [G]§ 60.56c(d) § 60.56c(f) § 60.56c(i) § 60.57c(a) § 60.57c(c) § 60.57c(e) § 60.57c(f) § 60.57c(g)	[G]§ 60.53c(h) [G]§ 60.53c(i) § 60.53c(j) § 60.55c § 60.58c(b) § 60.58c(b)(1) § 60.58c(b)(10) § 60.58c(b)(11) § 60.58c(b)(2) § 60.58c(b)(2)(i) § 60.58c(b)(2)(ii) § 60.58c(b)(2)(iii) § 60.58c(b)(2)(ix) § 60.58c(b)(2)(x) § 60.58c(b)(2)(xi) § 60.58c(b)(2)(xii) § 60.58c(b)(2)(xiii) § 60.58c(b)(2)(xiv) § 60.58c(b)(2)(xv) § 60.58c(b)(3) § 60.58c(b)(4) § 60.58c(b)(5) § 60.58c(b)(6) § 60.58c(b)(7) § 60.58c(b)(8) § 60.58c(b)(9) § 60.58c(f)	[G]§ 60.58c(a) [G]§ 60.58c(c) [G]§ 60.58c(d) § 60.58c(e) § 60.58c(g)
INCIN-3	EU	60EC-1	DIOXINS/FURANS	40 CFR Part 60, Subpart Ec	§ 60.52c(a) § 60.52c(a)(1)-Table 1A § 60.52c(a)(2)-Table 1B § 60.53c(b) [G]§ 60.53c(c) [G]§ 60.53c(d) § 60.53c(e) [G]§ 60.53c(f) [G]§ 60.53c(g) [G]§ 60.53c(i)	Owner or operator shall not allow to be discharged into the atmosphere gases that contain stacks emissions in excess of the limits in Table 1A for a facility constructed between 6/20/1996 & 12/1/2008, or modified between	[G]§ 60.56c(b) § 60.56c(c) § 60.56c(c)(1) § 60.56c(c)(2) [G]§ 60.56c(c)(4) [G]§ 60.56c(d) § 60.56c(f) § 60.56c(i) § 60.57c(a) § 60.57c(c) § 60.57c(e) § 60.57c(f)	[G]§ 60.53c(h) [G]§ 60.53c(i) § 60.53c(j) § 60.55c § 60.58c(b) § 60.58c(b)(1) § 60.58c(b)(10) § 60.58c(b)(11) § 60.58c(b)(2) § 60.58c(b)(2)(i) § 60.58c(b)(2)(ii) § 60.58c(b)(2)(iii)	[G]§ 60.58c(a) [G]§ 60.58c(c) [G]§ 60.58c(d) § 60.58c(e) § 60.58c(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.54c(a) § 60.54c(b) § 60.55c § 60.56c(a) [G]§ 60.56c(d) [G]§ 60.56c(f)	3/16/1998 & 4/6/2010; and in Table 1B for a facility constructed after 12/1/2008 or modified after 4/6/2010.	§ 60.57c(g)	§ 60.58c(b)(2)(ix) § 60.58c(b)(2)(x) § 60.58c(b)(2)(xi) § 60.58c(b)(2)(xii) § 60.58c(b)(2)(xiii) § 60.58c(b)(2)(xiv) § 60.58c(b)(2)(xv) § 60.58c(b)(3) § 60.58c(b)(4) § 60.58c(b)(5) § 60.58c(b)(6) § 60.58c(b)(7) § 60.58c(b)(8) § 60.58c(b)(9) § 60.58c(f)	

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: R200
Pollutant: SO_2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Fuel oil sulfur content	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a	
Deviation Limit: It is a deviation if fuel oil > or = 0.8 % sulfur	
Periodic Monitoring Text: Maintain fuel purchase and composition records together with a record of any change in fuel composition to demonstrate that only fuel oil < 0.8% sulfur is burned in the unit. Should fuel blending be practiced, document the procedure to ensure the fuel oil used meets the sulfur requirement and record sulfur composition of the blended fuel which is used.	

Permit Shield

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
AUTOCLAVE 2	N/A	30 TAC Chapter 113, Hos/Med/Inf Waste Incinerators	The unit is not a hospital and medical/infectious waste incinerator as defined in 113.2070 because it does not combusts any amount of hospital waste and/or medical/infectious waste.
BOILER9	N/A	40 CFR Part 63, Subpart JJJJJJ	The boiler is a gas-fired boiler.
ENGINE8	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing institutional emergency stationary RICE located at an area source of HAP emissions that does not operate for more than 15 hours per calendar year.
FUELING1	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	This is a motor vehicle fuel dispensing facility
GRP-BLR1	BOILER1, BOILER2	40 CFR Part 60, Subpart D	Boilers were constructed prior to August 17, 1971.
GRP-BLR1	BOILER1, BOILER2	40 CFR Part 63, Subpart JJJJJJ	This is a group of gas-fired boilers.
GRP-BLR7	BLD61-BLR1, BLD61-BLR2, BLD61-BLR3	40 CFR Part 63, Subpart JJJJJJ	This is a group of gas-fired boilers.
GRP-COOLTWR	EP-COOLTWR, WP-COOLTWR	30 TAC Chapter 115, HRVOC Cooling Towers	The cooling tower heat exchange system does not emit and does not have the potential to emit HRVOC.
GRP-COOLTWR	EP-COOLTWR, WP-	40 CFR Part 63, Subpart Q	The cooling tower is not operated with

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	COOLTWR		chromium-based water treatment chemicals.
GRP-ENG06	ENGINE31	40 CFR Part 60, Subpart IIII	The group of stationary CI RICE was manufactured prior to April 1, 2006.
GRP-ENG1	ENGINE4	40 CFR Part 63, Subpart ZZZZ	The engines are existing institutional emergency stationary RICE located at an area source of HAP emissions that do not operate for more than 15 hours per calendar year.
GRP-ENG2	ENGINE15, ENGINE16, ENGINE17, ENGINE18, ENGINE19, ENGINE20, ENGINE24, ENGINE25, ENGINE26, ENGINE28, ENGINE3, ENGINE5, ENGINE6	40 CFR Part 63, Subpart ZZZZ	The engines are existing institutional emergency stationary RICE located at an area source of HAP emissions that do not operate for more than 15 hours per calendar year.
GRP-ENG250	ENGINE11, ENGINE14, ENGINE27, ENGINE9	40 CFR Part 63, Subpart ZZZZ	The engines are existing institutional emergency stationary RICE located at an area source of HAP emissions that do not operate for more than 15 hours per calendar year.
GRP-ENG2A	ENGINE12, ENGINE13, ENGINE29	40 CFR Part 63, Subpart ZZZZ	The engines are existing institutional emergency stationary RICE located at an area source of HAP emissions that do not

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			operate for more than 15 hours per calendar year.
GRP-ENG5	ENGINE37-4, ENGINE38-5, ENGINE39-6, ENGINE41-8, ENGINE42-9	40 CFR Part 60, Subpart IIII	The group of stationary CI RICE was manufactured prior to April 1, 2006.
GRP-ENGFWP	FIRE PUMP	40 CFR Part 63, Subpart ZZZZ	The engines are existing institutional emergency stationary RICE located at an area source of HAP emissions that do not operate for more than 15 hours per calendar year.
GRP-TANK1	TANK1, TANK2	40 CFR Part 60, Subpart K	Tank does not store petroleum liquid.
GRPTANK2	EP-DSLTK, WP-DSLTK	30 TAC Chapter 115, Storage of VOCs	The storage tank has a storage capacity less than 1,000 gallons.
GRPTANK2	EP-DSLTK, WP-DSLTK	40 CFR Part 60, Subpart Kb	The storage tank has a design capacity less than 75 cubic meters.
INCIN-3	N/A	30 TAC Chapter 111, Incineration	The unit is a hospital and medical/infectious waste incinerator.
INCIN-3	N/A	30 TAC Chapter 113, Hos/Med/Inf Waste Incinerators	The incinerator was constructed after June 20, 1996.
INCIN-3	N/A	30 TAC Chapter 117, Subchapter B	The incinerator has a maximum rated capacity less than 40 MMBtu/hr.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
TANK3	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 25,000 gallons at a motor vehicle fuel dispensing facility.
TANK3	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 75 cubic meters.

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX1376	Issuance Date: 10/13/2014
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 18655	Issuance Date: 07/31/2015
Authorization No.: 56653	Issuance Date: 10/13/2014
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.183	Version No./Date: 06/18/1997
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 03/14/1997
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.418	Version No./Date: 03/14/1997
Number: 106.418	Version No./Date: 07/08/1998
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.494	Version No./Date: 03/14/1997
Number: 106.494	Version No./Date: 09/01/1999
Number: 106.511	Version No./Date: 03/14/1997
Number: 106.511	Version No./Date: 09/04/2000
Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum	
Permit No.: 2232A	

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
AUTOCLAVE 2	AUTOCLAVE	18655
BLD61-BLR1	BUILDING 61 BOILER 1	106.183/09/04/2000
BLD61-BLR2	BUILDING 61 BOILER 2	106.183/09/04/2000
BLD61-BLR3	BUILDING 61 BOILER 3	106.183/09/04/2000
BOILER10N	REBECCA SEALY BOILER 10N	106.183/09/04/2000
BOILER11A	EWING HALL BOILER 11A	106.183/09/04/2000
BOILER11B	EWING HALL BOILER 11B	106.183/09/04/2000
BOILER12A	STERILE PROCESSING BOILER 12A	106.183/09/04/2000
BOILER1	CENTRAL PLANT BOILER 1	56653, PSDTX1376
BOILER2	CENTRAL PLANT BOILER 2	56653, PSDTX1376
BOILER9	WEST CHILL PLANT BOILER	56653, PSDTX1376
ENGINE11	PHARMACOLOGY	106.511/09/04/2000
ENGINE12	RESEARCH BUILDING GENERATOR ENGINE	106.511/09/04/2000
ENGINE13	RESEARCH BUILDING GENERATOR ENGINE	106.511/09/04/2000
ENGINE14	EWING HALL GENERATOR ENGINE	106.511/09/04/2000
ENGINE15	MCCULLOUGH GENERATOR 1	106.511/03/14/1997
ENGINE16	BASIC SCIENCE GENERATOR 1	106.511/03/14/1997
ENGINE17	BASIC SCIENCE GENERATOR 2	106.511/03/14/1997

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ENGINE18	TRAUMA CENTER GENERATOR 1	106.511/03/14/1997
ENGINE19	TRAUMA CENTER GENERATOR 2	106.511/03/14/1997
ENGINE20	JOHN SEALY ANNEX GENERATOR 1	106.511/03/14/1997
ENGINE22	TEMPORARY KITCHEN GENERATOR ENGINE	106.511/03/14/1997
ENGINE24	BASIC SCIENCE BUILDING	106.511/03/14/1997
ENGINE25	REBECCA SEALY HOSPITAL GENERATOR 1	106.511/03/14/1997
ENGINE26	REBECCA SEALY HOSPITAL GENERATOR 2	106.511/03/14/1997
ENGINE27	WEST END CHILL PLANT GENERATOR ENGINE	106.511/09/04/2000
ENGINE28	CENTRAL CHILL PLANT GENERATOR 1	106.511/03/14/1997
ENGINE29	RESEARCH SUPPORT GENERATOR ENGINE	106.511/09/04/2000
ENGINE31	MOBILE/BACK-UP GENERATOR ENGINE	106.511/09/04/2000
ENGINE32	GNL GENERATOR ENGINE	106.511/09/04/2000
ENGINE33	GNL GENERATOR ENGINE	106.511/09/04/2000
ENGINE37-4	EWING HALL	106.511/09/04/2000
ENGINE38-5	WEST CHILL PLANT GENERATOR ENGINE	106.511/09/04/2000
ENGINE39-6	WEST CHILL PLANT GENERATOR ENGINE	106.511/09/04/2000
ENGINE3	CHILDRENS HOSPITAL GENERATOR 3	106.511/03/14/1997
ENGINE41-8	EAST CHILL PLANT GENERATOR ENGINE	106.511/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ENGINE42-9	MOBILE/BACKUP	106.511/09/04/2000
ENGINE43	RESEARCH BUILDING GENERATOR ENGINE	106.511/09/04/2000
ENGINE44	JSRH GENERATOR ENGINE	106.511/09/04/2000
ENGINE45	JSRH GENERATOR ENGINE	106.511/09/04/2000
ENGINE46	JSRH GENERATOR ENGINE	106.511/09/04/2000
ENGINE47	CSW GENERATOR ENGINE	106.511/09/04/2000
ENGINE48	CSW GENERATOR ENGINE	106.511/09/04/2000
ENGINE4	DORM MACHINE ROOM GENERATOR 1	106.511/03/14/1997
ENGINE51	RESEARCH BUILDING GENERATOR ENGINE	106.511/09/04/2000
ENGINE52	TRAUMA CENTER GENERATOR ENGINE	106.511/09/04/2000
ENGINE53	TRAUMA CENTER GENERATOR ENGINE	106.511/09/04/2000
ENGINE54	TRAUMA CENTER GENERATOR ENGINE	106.511/09/04/2000
ENGINE5	MCCULLOUGH GENERATOR 2	106.511/03/14/1997
ENGINE6	ADMIN PARKING GARAGE GENERATOR 1	106.511/03/14/1997
ENGINE8	TDCJ GENERATOR ENGINE	106.511/09/04/2000
ENGINE9	MATERIALS MANAGEMENT GENERATOR ENGINE	106.511/09/04/2000
EP-COOLTWR	EAST PLANT COOLING TOWER	56653, PSDTX1376
EP-CTGHRSG	EAST PLANT COMBUSTION TURBINE	56653, PSDTX1376

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
EP-DSLTK	EAST PLANT DIESEL TANK	56653, PSDTX1376
EP-HRSG	EAST PLANT HEAT RECOVERY STEAM GENERATOR	56653, PSDTX1376
FIRE PUMP	PRIMARY CARE PAVILION FIRE WATER PUMP ENGINE	106.511/09/04/2000
FUELING1	GASOLINE FUELING STATION	106.412/03/14/1997
INCIN-3	INCINERATOR	18655
TANK1	DIESEL TANK 1	106.472/09/04/2000
TANK2	DIESEL TANK 2	106.472/09/04/2000
TANK3	GASOLINE TANK 1	106.472/09/04/2000
WP-COOLTWR	WEST PLANT COOLING TOWER	56653, PSDTX1376
WP-CTGHRSG	WEST PLANT COMBUSTION TURBINE	56653, PSDTX1376
WP-DSLTK	WEST PLANT DIESEL TANK	56653, PSDTX1376
WP-HRSG	WEST PLANT HEAT RECOVERY STEAM GENERATOR	56653, PSDTX1376

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
COMS ..... continuous opacity monitoring system
CVS ..... closed-vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
DR ..... Designated Representative
ElP ..... El Paso (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
GF ..... grandfathered
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MMBtu/hr ..... Million British thermal units per hour
MRRT ..... monitoring, recordkeeping, reporting, and testing
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PM ..... particulate matter
ppmv ..... parts per million by volume
PSD ..... prevention of significant deterioration
RO ..... Responsible Official
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table

Permit Number: 56653/PSDTX1376			Issuance Date: October 13, 2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
BOILER1 With Low-NO_X Burners	Central Plant Boiler No. 1 (124 MMBtu/hr)	NO_x	4.46	--	10,12,13,14,15	10,12,13,14,16,17	10,12,13
		CO	4.59	--	12,13,14,15	12,13,14,16,17	12,13
		VOC	0.25	--	14	14,16,17	
		SO_2	0.07	--	9,10,14	9,10,14,16,17	10
		$PM/PM_{10}/PM_{2.5}$	0.99	--	14	14,16,17	
BOILER2 With Low-NO_X Burners	Central Plant Boiler No. 2 (124 MMBtu/hr)	NO_x	2.48	--	10,12,13,14,15	10,12,13,14,16,17	10,12,13
		CO	2.23	--	12,13,14,15	12,13,14,16,17	12,13
		VOC	0.15	--	14	14,16,17	
		SO_2	0.07	--	9,10,14	9,10,14,16,17	10
		$PM/PM_{10}/PM_{2.5}$	0.99	--	14	14,16,17	

Major NSR Summary Table

Permit Number: 56653/PSDTX1376				Issuance Date: October 13, 2014			
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
SHORT TERM LIMITS WHEN FIRING FUEL OIL							
BOILER1 With Low-NO_X Burners	Central Plant Boiler No. 1 (124 MMBtu/hr)	NO_x	16.12	--	10,12,13,14,15	10,12,13,14,17	10,12,13
		CO	15.00	--	12,13,14,15	12,13,14,16,17	12,13
		VOC	0.93	--	14	14,16,17	
		SO_2	41.73	--	9,10,14	9,10,14,16,17	10
		$PM/PM_{10}/PM_{2.5}$	2.92	--	14	14,16,17	
BOILER2 With Low-NO_X Burners	Central Plant Boiler No. 2 (124 MMBtu/hr)	NO_x	12.40	--	10,12,13,14,15	10,12,13,14,17	10, 12, 13
		CO	15.00	--	12,13,14,15	12,13,14,16,17	12, 13
		VOC	0.62	--	14	14,16,17	
		SO_2	41.73	--	9,10,14	9,10,14,16,17	10
		$PM/PM_{10}/PM_{2.5}$	2.92	--	14	14,16,17	
ANNUAL LIMITS FIRING NATURAL GAS + 200,000 GALLONS OF FUEL OIL							
BOILER1 and BOILER2	Central Plant Boiler No. 1 and Central Plant Boiler No. 2 Combined Annual Limits	NO_x	--	17.13	12,14	14,16,17	13
		CO	--	16.95	12,14	14,16,17	13
		VOC	--	0.97	14	14,16,17	
		SO_2	--	5.06	9,14	9,14,16,17	
		$PM/PM_{10}/PM_{2.5}$	--	4.78	14	14,16,17	
BOILER9 With Low-NO_X Burners	West Chill Plant Boiler (140 MMBtu/hr)	NO_x	1.40	6.13	10,12,13,15	10,12,13,16,17	10,12,13
		CO	4.90	21.45	12,13,15	12,13,16,17	12,13
		VOC	0.75	3.31		16,17	

Major NSR Summary Table

Permit Number: 56653/PSDTX1376				Issuance Date: October 13, 2014			
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates ***		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY****	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
		SO_2	0.08	0.36	9,10	9,10,16,17	10
		$PM/PM_{10}/PM_{2.5}$	1.04	4.57		16,17	
WP-CTG/HRSG	West Plant Combustion Turbine	NO_X	0.96	3.54	18,28,30,32	18,28,30,34,35	18,28,30
		CO	12.10	79.40	28,30,32	28,30,34,35	28 30
		VOC	0.76	2.84	28,32	28,34,35	28
		SO_2	0.34	0.52	9,18,22,28,32	9,18,28,34,35	18,28
		$PM/PM_{10}/PM_{2.5}$	1.80	5.06	23,32	23,34,35	
		H_2SO_4	0.08	0.12	32	34,35	
		$(NH_4)_2 SO_4$	0.10	0.16	32	34,35	
		NH_3	1.66	5.07	28,31,32	28,31,34,35	28,31

Major NSR Summary Table

Permit Number: 56653/PSDTX1376				Issuance Date: October 13, 2014			
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
EP-CTG/HRSG	East Plant Combustion Turbine	NO_X	0.96	3.54	18,28,30,32	18, 28, 30, 34, 35	18, 28, 30
		CO	12.10	79.40	28,30,32	28, 30, 34, 35	28, 30
		VOC	0.76	2.84	28,32	28, 34,35	28
		SO_2	0.34	0.52	9,18,22,28,32	9,18,28,34,35	18, 28
		$PM/PM_{10}/PM_{2.5}$	1.80	5.06	23,32	23,34,35	
		H_2SO_4	0.08	0.12	32	34,35	
		$(NH_4)_2 SO_4$	0.10	0.16	32	34,35	
		NH_3	1.66	5.07	28,31,32	28,31,34,35	28, 31
WP-NH3 FUG	Ammonia Fugitives	NH_3	0.05	0.21	26	26, 34, 35	
EP-NH3 FUG	Ammonia Fugitives	NH_3	0.05	0.21	26	26, 34, 35	
WP-COOLTWR	West Plant Cooling Tower	PM	0.52	2.26	33	33, 34, 35	33
		PM_{10}	0.22	0.98	33	33, 34 35	33
		$PM_{2.5}$	<0.01	<0.01	33	33, 34 35	33
EP-COOLTWR	East Plant Cooling Tower	PM	0.27	1.17	33	33, 34 35	33
		PM_{10}	0.12	0.51	33	33, 34 35	33
		$PM_{2.5}$	<0.01	<0.01	33	33, 34 35	33
BOILER9 MSS	West Chill Plant Boiler (140 MMBtu/hr) Short Term MSS	NO_X	4.20	--			
		CO	14.70	--			
WP-CTG/HRSG MSS	West Plant Combustion Turbine Short Term MSS	NO_X	2.36	--		24	
		CO	180.77	--		24	

Major NSR Summary Table

Permit Number: 56653/PSDTX1376				Issuance Date: October 13, 2014			
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
		VOC	2.49	--		24	
EP-CTG/HRSG MSS	East Plant Combustion Turbine Short Term MSS	NO_X	2.36	--		24	
		CO	180.77	--		24	
		VOC	2.49	--		24	
TURB-MSS	ILE Turbine Maintenance Fugitives	NO_X	<0.01	<0.01			
		CO	<0.01	<0.01			
		VOC	0.53	<0.01			
		$PM/PM_{10}/PM_{2.5}$	0.09	0.02			
		NH_3	<0.01	<0.01			
WP-CTLOV	West Plant Combustion Turbine Lube Oil Vent	VOC	<0.01	<0.01			
		$PM/PM_{10}/PM_{2.5}$	<0.01	<0.01			
EP-CTLOV	East Plant Combustion Turbine Lube Oil Vent	VOC	<0.01	<0.01			
		$PM/PM_{10}/PM_{2.5}$	<0.01	<0.01			
WP-STLOV	West Plant Steam Turbine Lube Oil Vent	VOC	<0.01	<0.01			
		$PM/PM_{10}/PM_{2.5}$	<0.01	<0.01			
EP-STLOV	East Plant Steam Turbine Lube Oil Vent	VOC	<0.01	<0.01			
		$PM/PM_{10}/PM_{2.5}$	<0.01	<0.01			

Footnotes:

(1) Emission point identification - either specific equipment designation or emission point number (EPN) from plot plan.
(2) Specific point source name. For fugitive sources use area name or fugitive source name.
(3) NO_X - total oxides of nitrogen
CO - carbon monoxide
PM – total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$

Major NSR Summary Table

PM_{10} – total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
$PM_{2.5}$ – total particulate matter equal to or less than 2.5 microns in diameter
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO_2 - sulfur dioxide
$(NH_4)_2SO_4$ – ammonium sulfate
NH_3 - ammonia

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emission limits include planned startup and shutdown activities.
(5) Emission rate is an estimate and is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations. Emission rates include planned MSS activities.
(6) During periods of start-up, shutdown, and maintenance (30 percent or less of firing capacity).
* Emission rates are based on and the facilities are limited by the following operating schedule: 8,760 Hrs/year
** Compliance with annual emission limits is based on a rolling 12-month period.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT

A Permit Is Hereby Issued To
University of Texas Medical Branch at Galveston
Authorizing the Construction and Operation of
West Plant and East Plant Central Heat And Power
Located at **Galveston, Galveston County, Texas**
Latitude 29° 18′ 44″ Longitude -94° 46′ 46″

Permits: 56653 and PSDTX1376

Issuance Date : October 13, 2014

Renewal Date: October 13, 2024

For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code 116.116 (30 TAC 116.116)]
2. **Voiding of Permit**. A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of $5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC 116.120(a), (b) and (c)]
3. **Construction Progress**. Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC 116.115(b)(2)(A)]
4. **Start-up Notification**. The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC 116.115(b)(2)(B)(iii)]
5. **Sampling Requirements**. If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC 116.115(b)(2)(C)]

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC 116.115(b)(2)(E)]
8. **Maximum Allowable Emission Rates**. The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC 116.115(b)(2)(F)]
9. **Maintenance of Emission Control**. The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with 30 TAC 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC 116.115(b)(2)(G)]
10. **Compliance with Rules**. Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to a condition of "air pollution" as defined in Texas Health and Safety Code (THSC) 382.003(3) or violate THSC 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit.

Special Conditions

Permit Number 56653 and PSDTX1376

1. This permit covers only those sources of emissions listed in the attached table entitled "Emission Sources- Maximum Allowable Emission Rates," (MAERT) and those sources are limited to the emission limits and other conditions specified in the attached table. The annual rates are based on any consecutive 12-month period. Also, this permit authorizes the emissions from planned maintenance, startup, and shutdown (MSS).

   If one emission rate limitation is more stringent than another emission rate limitation, then the more stringent limitation shall govern and be the standard by which compliance will be demonstrated.

Emission Standards and Fuel Specifications for Boilers

2. BOILER1 and BOILER2 are limited to 124.0 million British Thermal Units per hour (MMBtu/hr) each, determined by the fuel flow at the higher heating value (HHV) of the fuel. BOILER9 is limited to 140.0 MMBtu/hr as determined by the fuel flow at the HHV of the fuel.

3. BOILER1 and BOILER2 are equipped with removable orifice plates that may be changed to allow the boilers to operate at a de-rated capacity between 50 MMBtu/hr and 124 MMBtu/hr to improve efficiency when steam demand is low.

4. BOILER1 shall be limited to 0.036 pound per MMBtu (lb/MMBtu) of oxides of nitrogen (NO_x) and BOILER2 shall be limited to 0.02 lb/MMBtu of NO_x based on an hourly average when firing natural gas. These NO_x limits are based on the fuel's HHV and shall only apply during load operations greater than 30 percent. When operating at or below 30 percent load they shall continue to comply with the emission limits specified in the MAERT only.

5. BOILER9 shall be limited to 0.01 lb/MMBtu of NO_x and 50 parts per million per volume dry (ppmvd) of carbon monoxide (CO). Concentration limits of CO are stated corrected to 3 percent oxygen (O_2). These NO_x limits are based on the fuel's HHV and shall only apply during load operations greater than 30 percent. When operating at or below 30 percent load they shall continue to comply with the emission limits specified in the MAERT only.

6. Fuel for BOILER1 and BOILER2 shall be either pipeline-quality natural gas containing no more than 5.0 grains total sulfur per 100 dry standard cubic feet (dscf) on a short-term (hourly) basis and 0.25 grains total sulfur per 100 dscf on a rolling 12-month average basis. Distillate fuel oil containing not more than 0.3 weight percent sulfur is authorized as a backup fuel not to exceed firing a total of 200,000 gallons for both boilers in a rolling 12-month period. Use of any other fuel will require prior approval of the Executive Director of the Texas Commission on Environmental Quality (TCEQ).

7. Fuel for BOILER9 shall be pipeline-quality natural gas containing no more than 5.0 grains total sulfur per 100 dry standard cubic feet (dscf) on a short-term (hourly) basis and 0.25 grains total sulfur per 100 dscf on a rolling 12-month average basis. Use of any other fuel will require prior approval of the Executive Director of the TCEQ.

8. Opacity of emissions from BOILER9 shall not exceed 5 percent averaged over a six-minute period, except for those periods described in Title 30 Texas Administrative Code § 111.111(a)(1)(E).

9. Upon request by the Executive Director of the TCEQ or any other local air pollution control program having jurisdiction, the holder of this permit shall provide a sample and/or analysis of the fuel used in this facility or shall allow air pollution control agency representatives to obtain a sample for analysis.

Federal Applicability for Boilers

10. BOILER9 shall comply with applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations in Title 40 Code of Federal Regulation Part 60 (40 CFR Part 60) on Standards of Performance for New Stationary Sources promulgated for:

    A. Applicable General Conditions, Subpart A.

    B. Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units.

Initial Demonstration of Compliance for Boilers

11. Sampling ports and platforms shall be incorporated into the design of all exhaust stacks according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities." Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Director.

12. After installation of Low-NO_x burners, the holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere by BOILER1 and BOILER2. The holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from BOILER9. The testing required by this special condition for NO_x, CO, and O_2 shall be used to determine initial compliance with the lb/MMBtu specified in Special Condition No. 4 for Boilers 1 and 2 and Special Condition No. 5 for Boiler 9 and the pounds per hour (lbs/hr) limit of the MAERT. Sampling must be conducted in accordance with appropriate procedures of the Sampling Procedures Manual and in accordance with the EPA Reference Methods. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operation at his expense.

    Stack sampling and other testing required for the initial demonstration of compliance on BOILER2 was completed in February 2004. Testing on BOILER1 was completed in January 2006. Testing on BOILER9 was completed in September 2009.

    A. The TCEQ Houston Regional Office shall be contacted as soon as testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting.

The notice shall include:

(1) Date for pretest meeting.

(2) Date sampling will occur.

(3) Name of firm conducting sampling.

(4) Type of sampling equipment to be used.

(5) Method or procedure to be used in sampling.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports. A written proposed description of any deviation from sampling procedures specified in permit conditions or the TCEQ or the EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director or the Director of the TCEQ Compliance Support Division shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Austin Office of Air, Air Permits Division.

B. Air contaminants emitted from BOILER1, BOILER2, and BOILER9 to be tested for at full load include (but are not limited to) NO_x, CO, and O_2.

C. Sampling of BOILER1 shall occur within 180 days after installation of the Low-NO_x burners. Requests for an extension of this schedule shall be made in writing to and approved by the Director of the TCEQ Houston Regional Office. Additional sampling shall occur as may be required by the TCEQ or the EPA.

D. Sampling shall occur within 60 days of initial start-up of BOILER9 and at such other times as may be required by the Executive Director of the TCEQ. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office.

E. BOILER9 shall operate at maximum production during stack emission testing. Primary operating parameters that enable determination of production rate shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If BOILER9 is unable to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher production rates are achieved.

F. Sampling reports shall comply with the provisions of Chapter 14 of the TCEQ Sampling Procedures Manual. Three copies of the sampling report shall be distributed, within 60 days of receipt, as follows:

One copy to the Galveston County Health District, Pollution Control Division.
One copy to the TCEQ Houston Regional Office.
One copy to the TCEQ Office of Air, Air Permits Division, Austin.

Continuous Determination of Compliance for Boilers

13. The holder of this permit shall install, calibrate, and maintain a continuous emission monitoring system (CEMS) to measure and record the in-stack concentration of NO_x, CO, and O_2 from BOILER1, BOILER 2, and BOILER9 when Low-NO_x burners are installed.

    A. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Office of Air, Air Permits Division in Austin for requirements to be met.

    B. The system shall be zeroed and spanned daily and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days.

    Each monitor shall be quality-assured at least quarterly using Cylinder Gas Audits (CGA) in accordance with 40 CFR Part 60, Appendix F, Procedure 1, § 5.1.2, with the following exception: a relative accuracy test audit is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). An equivalent quality-assurance method approved by the TCEQ may also be used. Successive quarterly audits shall occur no closer than two months.

    All CGA exceedances of ±15 percent accuracy and any CEMS downtime shall be reported to the TCEQ Houston Regional Director, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the TCEQ Houston Regional Director.

    C. The monitoring data shall be reduced to hourly average concentrations at least once every day, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of the permit allowable emission rate in lbs/hr at least once every day. Pound per hour data from BOILER9 shall be summed monthly to tons per year and used to determine compliance with the annual emissions limits of this permit.

    D. All monitoring data and quality-assurance data shall be maintained by the source for a period of two years and shall be made available to the TCEQ Executive Director or his designated representative upon request. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.

    E. The holder of this permit shall demonstrate a system reliability of at least 90 percent for the NO_x and CO CEMS based on an annual rolling period (downtime does not include daily zero and span measurement time or unit downtime), or options to increase system reliability to an acceptable value, including the use of a standby CEMS, may be required by the TCEQ Houston Regional Director.

14. The holder of this permit shall additionally install, calibrate, maintain, and operate continuous monitoring systems to monitor and record the average hourly natural gas consumption of BOILER1 and BOILER2. The systems shall be accurate to ±5.0 percent of the unit's maximum flow.

15. If any emission monitor fails to meet specified performance, it shall be repaired or replaced immediately, but no longer than seven days after it was first detected by any employee at the facility, unless written permission is obtained from the TCEQ which allows for a longer repair/replacement time. The holder of this permit shall develop an operation and maintenance program (including stocking necessary spare parts) to ensure that the continuous monitors are available as required.

Recordkeeping and Reporting for Boilers

16. The following records shall be kept at the plant for the life of the permit. All records required in this permit shall be made available at the request of personnel from the TCEQ, the EPA, or any air pollution control agency with jurisdiction.

    A. A copy of this permit.

    B. A complete copy of the testing reports and records of the initial performance testing.

17. The following information shall be maintained by the holder of this permit in a form suitable for inspection for a period of five years after collection and shall be made available upon request to representatives of the TCEQ, the EPA, or any local air pollution control program having jurisdiction:

    A. The daily, monthly, and rolling annual hours of operation for each boiler.

    B. The daily, monthly, and rolling annual quantities of natural gas and fuel oil burned in each boiler.

    C. The NO_x, CO, O_2 CEMS emissions data from BOILER1, BOILER2, and BOILER9 to demonstrate compliance with the emission rates listed in the MAERT.

    D. Raw data files of all CEMS data including calibration checks and adjustments and maintenance performed on these systems.

Federal Applicability for Combined Heat and Power Plants

18. The combined heat and power plants and applicable ancillary equipment represented in the application received August 23, 2013 and subsequent representations shall comply with applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources, Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60):

    A. Subpart A: General Provisions.

B. Subpart KKKK: Standards of Performance for Stationary Combustion Turbines.

Emission Standards and Operating Specifications for Combined Heat and Power Plants

19. This permit authorizes two Solar Taurus 60 natural gas fired combustion turbine generators (CTGs) / heat recovery steam generators (HRSGs), Emission Point Numbers (EPNs) West Plant WP-CTG/HRSG and East Plant EP-CTG/HRSG. Each CTG is rated at a nominal electric output of approximately 6 megawatts (MW), while each steam generator is capable of an additional output of 7 MW.

20. The firing rate, determined by the fuel flow at the higher heating value, shall not exceed 52 MMBtu/hr for each duct burner in EPNs WP-CTG/HRSG and EP-CTG/HRSG.

21. Emission Rates.

A. The concentration of NO_x from EPNs WP-CTG/HRSG and EP-CTG/HRSG shall not exceed 3.0 parts per million by volume dry (ppmvd) corrected to 15 percent oxygen (O_2), on a rolling 24-hour average, subject to the following specifications:

(1) Applicable regardless of duct burner (HRSG) firing rate.

(2) Applicable during fresh air firing of the HRSG(s).

(3) Hours of startup and shutdown are excluded.

(4) Excess emissions during initial or other major Dry Low NOx (DLN) burner tuning sessions are excluded. Major tuning sessions are scheduled events, and would occur after the completion of initial construction, a combustor change-out, a major repair, maintenance to a combustor, or other similar circumstances.

B. The concentration of carbon monoxide (CO) from EPNs WP-CTG/HRSG and EP-CTG/HRSG shall not exceed 50 ppmvd corrected to 15 percent O_2, on a rolling 24-hour average, excluding startup and shutdown.

C. The concentration of ammonia (NH_3) from EPNs WP-CTG/HRSG and EP-CTG/HRSG shall not exceed 10 ppmvd corrected to 15 percent O_2, on a rolling 24-hour average and an annual average.

22. Fuel Specifications.

A. Fuel for the CTGs/HRSGs is limited to pipeline-quality natural gas containing no more than 1 grain total sulfur per 100 dry standard cubic feet (gr S / 100 dscf) on an hourly basis and 0.5 gr S / 100 dscf on an annual basis.

B. Upon request by the Executive Director of the Texas Commission on Environmental Quality (TCEQ) or any local air pollution control program having jurisdiction, the holder of this permit shall provide a sample and/or an analysis of the fuel-fired in the

CTGs or shall allow air pollution control agency representatives to obtain a sample for analysis.

23. Opacity of emissions from EPNs WP-CTG/HRSG and EP-CTG/HRSG shall not exceed five percent averaged over a six-minute period from each stack. This determination shall be made by first observing for visible emissions while each facility is in normal operation. Observations shall be made at least 15 feet and no more than 0.25 miles from the emission point(s). Up to three emissions points may be read concurrently, provided that all three emissions points are within a 70 degree viewing sector or angle in front of the observer such that the proper sun position (at the observer's back) can be maintained for all three emission points. If visible emissions are observed from an emission point, then the opacity shall be determined and documented within 24 hours for that emission point using 40 CFR Part 60, Appendix A, Test Method 9. Observations shall be performed and recorded quarterly. If the opacity exceeds five percent, corrective action to eliminate the source of visible emissions shall be taken promptly and documented within one week of first observation.

Planned Maintenance, Startup and Shutdown (MSS)

24. The emissions from planned MSS activities related to EPNs WP-CTG/HRSG and EP-CTG/HRSG are reflected in the MAERT. These emissions will be minimized by the following:

    A. Facility and air pollution control equipment will be operated in a manner consistent with good practices for minimizing emissions.

    B. The duration of operation in MSS mode will be minimized and the applicable emissions monitoring systems will be kept in operation.

    C. Startup.

        (1) A single cold startup event for the CTG/HRSG shall not exceed 4 hours.

        (2) A single warm or hot startup event for the CTG/HRSG shall not exceed 2 hours.

        (3) A startup event is defined as the period that begins when fuel flow is initiated in the CTG as indicated by flame detection and ends when the normal operating low-NO_x combustion mode is achieved. A startup is considered cold if the CTG/HRSG has been down for more than 64 hours; and warm/hot if the CTG/HRSG has been down for less than or equal to 64.0 hours.

    D. Shutdown.

        (1) A single shutdown event for the CTG shall not exceed 1 hour.

        (2) A shutdown event is defined as the time period that begins when the CTG drops out of the normal operating low-NO_x combustion mode following an instruction to shut down, and ends when flame is no longer detected in the CTG combustors. A shutdown event will also end if the CTG is instructed to

return to normal operating low-NO_x combustion operating mode and subsequently achieves normal operating low-NO_x combustion mode.

E. Maintenance.

Maintenance activities authorized in this permit for the CTG are identified as any of the following:

(1) Continuous Emission Monitoring System (CEMS) maintenance and calibration.

(2) DLN burner tuning sessions. Tuning sessions are scheduled events and would occur after the completion of initial construction, a combustor change-out, a major repair, maintenance to a combustor, or other similar circumstances.

F. The MSS activities identified in 24C, D, and E of this Special Condition are authorized provided that the mass emission rates in pounds per hour (lbs/hr) do not exceed those specified in the MAERT.

Aqueous Ammonia

25. The permit holder shall maintain prevention and protection measures for the NH_3 storage system. Each NH_3 storage tank area will be marked and protected so as to protect the NH_3 storage areas from accidents that could cause a rupture. The aqueous ammonia stored shall have a concentration of less than 20% NH_3 by weight.

26. In addition to the requirements of Special Condition No. 25, the permit holder shall maintain the piping and valves in NH_3 service as follows:

A. All operating practices and procedures relating to the handling and storage of NH_3 shall conform to the safety recommendations specified for that compound by guidelines of the American National Standards Institute and the Compressed Gas Association.

B. Audio, visual, and olfactory (AVO) checks for NH_3 leaks shall be made once every 24 hours.

C. Immediately, but no later than 24 hours upon detection of a leak, following the detection of a leak, plant personnel shall take one or more of the following actions:

(1) Locate and isolate the leak, if necessary.

(2) Commence repair or replacement of the leaking component.

(3) Use a leak collection or containment system to control the leak until repair or replacement can be made if immediate repair is not possible.

Initial Determination of Compliance for Combined Heat and Power Plants

27. Sampling ports and platforms shall be incorporated into the design of all exhaust stacks according to the specifications set forth in the attachment entitled “Chapter 2, Stack

Sampling Facilities." Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Director.

28. The holder of this permit shall perform stack sampling and other testing as required to establish the actual quantities of air contaminants being emitted into the atmosphere from EPNs WP-CTG/HRSG and EP-CTG/HRSG and to determine initial compliance with all emission limits established in this permit. Sampling shall be conducted in accordance with the appropriate procedures of the TCEQ Sampling Procedures Manual and in accordance with the appropriate EPA Reference Methods to be determined during the pretest meeting.

    Fuel sampling using the methods and procedures of 40 CFR § 60.4415 may be conducted in lieu of stack sampling for sulfur dioxide (SO_2) or the permit holder may be exempted from fuel monitoring of SO_2 as provided under 40 CFR § 60.4365(a). If fuel sampling is used, compliance with New Source Performance Standards (NSPS) Subpart KKKK, SO_2 limits shall be based on 100 percent conversion of the sulfur in the fuel to SO_2. Any deviations from those procedures must be approved by the Executive Director of the TCEQ prior to sampling. The TCEQ Executive Director or his designated representative shall be afforded the opportunity to observe all such sampling.

    The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

    A. The TCEQ Regional Office shall be contacted as soon as testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting.

        The notice shall include:

        (1) Date for pretest meeting.

        (2) Date sampling will occur.

        (3) Name of firm conducting sampling.

        (4) Type of sampling equipment to be used.

        (5) Method or procedure to be used in sampling.

        (6) Procedure used to determine turbine loads during and after the sampling period.

        The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports. A written proposed description of any deviation from sampling procedures specified in permit conditions, or the TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Air, Air Permits Division. Test waivers and alternate or equivalent

procedure proposals for NSPS testing which must have EPA approval shall be submitted to the EPA and copied to TCEQ Regional Director.

B. Air contaminants and diluents to be sampled and analyzed include (but are not limited to) NO_x, O_2, CO, volatile organic compounds (VOC), SO_2, and NH_3. Fuel sampling using the methods and procedures of 40 CFR § 60.4415 or 40 CFR § 60.4365(a) may be conducted for monitoring SO_2.

C. Each turbine shall be tested at or above 90% of maximum load operations. Each tested turbine load shall be identified in the sampling report. The permit holder shall present at the pretest meeting the manner in which stack sampling will be executed in order to demonstrate compliance with emission standards found in 40 CFR Part 60, Subpart KKKK.

D. Sampling as required by this condition shall occur within 60 days after achieving the maximum production rate at which each turbine will be operated, but no later than 180 days after initial start-up of each unit. Additional sampling may be required by TCEQ or EPA.

E. Within 60 days after the completion of the testing and sampling required herein, three copies of the sampling reports shall be distributed as follows:

One copy to the TCEQ Houston Regional Office,

One copy to the TCEQ Air Permits Division, Combustion and Coatings Section,

One copy to the EPA Region 6 Office, Dallas.

29. Each installed CHP will be given a 180 day shakedown period. Once the shakedown periods of both CHPs are complete, BOILER1 and BOILER2 will be permanently shut down. An alteration request requesting authorization of removal of BOILER1 and BOILER2 from the permit shall be provided to TCEQ Air Permits Division within 15 days of the shutdown.

Continuous Determination of Compliance for Combined Heat and Power Plants

30. The holder of this permit shall install, calibrate, maintain, and operate a continuous emissions monitoring system (CEMS) to measure and record the concentrations of NO_x, CO, and diluents (O_2 or carbon dioxide) in each Stack (EPNs WP-CTG/HRSG and EP-CTG/HRSG).

A. Monitored NO_x and CO concentrations shall be corrected and reported in dimensional units corresponding to the emission rate and concentration limits established in this permit.

B. The CEMS data shall be used to demonstrate compliance with the emission limitations in Special Condition No. 21 and the MAERT.

C. The NO_x/diluent CEMS shall be operated according to the methods and procedures as set out in 40 CFR § 60.4345.

D. The CO CEMS shall meet the appropriate quality assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Each CO monitor shall be quality-assured at least quarterly using Cylinder Gas Audits (CGA) in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2, with the following exception: a relative accuracy test audit (RATA) is not required once every four quarters if four successive quarterly CGA have been conducted for that four-quarter period. An equivalent quality-assurance method approved by the TCEQ may also be used. Successive quarterly audits shall occur at least two months apart.

E. Reporting of monitoring data for demonstrating compliance with NSPS Subpart KKKK and this permit shall be conducted in accordance with the methods and procedures as set out in 40 CFR § 60.4380(b).

F. The TCEQ Regional Office shall be notified at least 21 days prior to any required relative accuracy test audit in order to provide them the opportunity to observe the testing.

G. The CEMS shall be operational during 95 percent of the operating hours of the facility, exclusive of the time required for zero and span checks. If this operational criterion is not met for the reporting quarter, the holder of this permit shall develop and implement a monitor quality improvement plan. The monitor quality improvement plan shall be developed and submitted within six months to the TCEQ Houston Regional Office for their approval. The plan should address the downtime issues to improve availability and reliability.

A CEMS with downtime due to breakdown, malfunction, or repair of more than 10% of the facility operating time for any calendar year shall be considered as a defective CEMS and the CEMS shall be replaced within 2 weeks.

31. The holder of this permit shall continuously monitor ammonia emissions from EPNs WP-CTG/HRSG and EP-CTG/HRSG when their respective selective catalytic reduction (SCR) system is in operation using the following method. The ammonia concentrations shall be corrected and reported in accordance with Special Condition No. 21:

A. The permit holder may install and operate a second NO_x CEMS probe located before the SCR, upstream of the stack NO_x CEMS, which may be used in association with the SCR efficiency and NH_3 injection rate to estimate NH_3 slip. This condition shall not be construed to set a minimum NO_x reduction efficiency on the SCR unit.

B. The permit holder may install and operate a dual stream system of NO_x CEMS at the exit of the SCR. One of the exhaust streams would be routed, in an unconverted state, to one NO_x CEMS and the other exhaust stream would be routed through a NH_3 converter to convert NH_3 to NO_x and then to a second NO_x CEMS. The NH_3 slip concentration shall be calculated from the delta between the two NO_x CEMS readings (converted and unconverted).

C. Any other method used for measuring NH_3 slip shall require prior approval from the TCEQ Office of Air, Air Permits Division.

32. The permit holder shall additionally install, calibrate, maintain, and operate continuous monitoring systems to monitor and record the average hourly natural gas consumption of each CTG, HRSG, and Duct Burner. The systems shall be accurate to ± 5.0 percent of the unit's maximum flow. Calibrations and maintenance must be done according to manufacturer's instructions. Calibrations must occur on a schedule recommended by the manufacturer or once per year in the absence of any recommendation.

33. Total dissolved solids (TDS) in each cooling tower circulating water shall not exceed 3,500 parts per million by weight (ppmw). To demonstrate continuous compliance with this and with the hourly and annual particulate emission rate in the MAERT, the holder of this permit shall have the option to either measure conductivity (in order to convert to TDS) or conduct a direct TDS analysis:

Option A: Direct TDS Analysis

A. Analysis shall be performed in accordance with "Standard Methods for the Examination of Water and Wastewater" Method 2540.

B. Continuous compliance with the hourly and annual particulate matter emission rates for the Cooling Tower in the MAERT shall be demonstrated by monitoring the TDS of the cooling water at a monitoring point in the recirculating water of the cooling water of the cooling tower, and recording the TDS every two weeks.

C. If a TDS exceedance occurs, an evaluation shall be conducted within 24 hours of the receipt of the analysis report and corrective action to eliminate the exceedance shall be taken promptly and documented within one week of the occurrence.

Option B: Conductivity Measurement

D. Perform sampling to establish the conductivity to TDS conversion factor that shall be used by the permit holder to demonstrate compliance with the TDS concentration. A conservative default conversion factor of 0.80 (conductivity to TDS) may be used initially until a site specific demonstrated value is determined.

E. Cooling water samples (minimum of three samples) shall be collected and a TDS/Conductivity analysis performed on each of the samples in order to establish the actual cooling water conductivity to TDS conversion factor. The conductivity and TDS analysis shall be performed in accordance with "Standard Methods for the Examination of Water and Wastewater" Method 2510 (Conductivity) and Methods 2540 (Solids). An average conversion factor and standard deviation based on the values shall be determined from the cooling water sample results.

F. Within 30 days after completion of the sampling, a copy of the sampling report shall be submitted to the TCEQ Houston Regional Office.

G. Continuous compliance with the hourly and annual particulate matter emission rates for the Cooling Tower in the MAERT shall be demonstrated by monitoring the conductivity of the cooling water at a monitoring point in the recirculating water of the cooling tower and recording the conductivity reading on no less than a weekly

basis. Each conductivity measurement shall be converted to TDS concentration in ppmvd hourly and annual particulate matter emission rates for the Cooling Towers in the MAERT. Each conductivity measurement shall be converted to TDS concentration in ppmw using the conductivity factor established in accordance with Special Condition No. 33D. The permit holder shall utilize one of the following monitoring options:

A Process Conductivity Meter (PCM).

(1) The PCM shall be quality assured quarterly, to confirm the conversion factor, TDS ppmw, and the correlation between the two, by performing a conductivity and TDS analysis. The conductivity and TDS analysis shall be performed in accordance with "Standard Methods for the Examination of Water and Wastewater" Method 2510 (Conductivity) and Methods 2540 (Solids).

(2) The PCM shall be calibrated once a quarter in accordance with the manufacturer specifications.

(3) In the event the PCM is offline due to repair or maintenance, either the use of a portable conductivity meter or a TDS analysis in accordance with Method 2540 (solids) may be used to satisfy the weekly periodic monitoring requirements.

OR

A portable conductivity meter.

(4) The portable conductivity meter shall be quality assured quarterly, to confirm the conversion factor, TDS ppmw, and the correlation between the two, by performing a conductivity and TDS analysis. The conductivity and TDS analysis shall be performed in accordance with "Standard Methods for the Examination of Water and Wastewater" Method 2510 (Conductivity) and Methods 2540 (Solids).

(5) The portable conductivity meter shall be calibrated once a quarter in accordance with the manufacturer specifications.

(6) In the event the portable conductivity meter is unavailable due to repair or maintenance, a TDS analysis in accordance with Method 2540 (solids) may be used to satisfy the weekly periodic monitoring requirements.

Recordkeeping Requirements for Combined Heat and Power Plants

34. The following records shall be kept at the plant for the life of the permit. All records required in this permit shall be made available at the request of personnel from the TCEQ, EPA, or any air pollution control agency with jurisdiction:

A. A copy of this permit.

B. Permit application dated August 23, 2013, and subsequent representations submitted to the TCEQ.

C. A complete copy of the testing reports and records of the initial performance testing completed pursuant to Special Condition No. 28 to demonstrate initial compliance.

D. Stack sampling results or other air emissions testing (other than CEMS data) that may be conducted on units authorized under this permit after the date of issuance of this permit.

35. The following information shall be maintained by the holder of this permit in a form suitable for inspection for a period of five years after collection and shall be made available upon request to representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction:

A. The CEMS data of NO_x, CO, and O_2 emissions from EPNs WP-CTG/HRSG and EP-CTG/HRSG to demonstrate compliance with the emission rates listed in the MAERT and Special Condition No. 21.

B. Raw data files of all CEMS data including calibration checks, adjustments, and maintenance performed on these systems in a permanent form suitable for inspection.

C. Records of dates and times for startups and shutdowns of each CTG/HRSG.

D. Records of the amount of natural gas fired monthly in each CTG/HRSG.

E. Records of dates and times of initial or other major DLN burner tuning sessions for each CTG/HRSG.

F. Records of visible emissions and opacity observations and any corrective actions taken pursuant to Special Condition No. 23.

G. Records of ammonia concentration, AVO checks, and maintenance performed to any piping and valves in NH_3 service pursuant to Special Condition Nos. 25 and 26.

H. Records of accidental releases, spills, or venting of NH_3 and the corrective action taken.

I. Records of NH_3 monitoring pursuant to Special Condition No. 31.

J. Records of TDS or conductivity measurements pursuant to Special Condition No. 33.

Date: October 13, 2014

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 56653 and PSDTX1376

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Combustion Units Firing Natural Gas

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
BOILER1 with Low-NO_x Burners	Central Plant Boiler No. 1 124 MMBtu/hr	NO_x	4.46	---
		CO	4.59	---
		VOC	0.25	---
		SO_2	0.07	---
		PM	0.99	---
		PM_{10}	0.99	---
		$PM_{2.5}$	0.99	---
BOILER2 with Low-NO_x Burners	Central Plant Boiler No. 2 124 MMBtu/hr	NO_x	2.48	---
		CO	2.23	---
		VOC	0.15	---
		SO_2	0.07	---
		PM	0.99	---
		PM_{10}	0.99	---
		$PM_{2.5}$	0.99	---
BOILER9 with Low-NO_x Burners	West Chill Plant Boiler 140 MMBtu/hr	NO_x	1.40	6.13
		CO	4.90	21.45
		VOC	0.75	3.31
		SO_2	0.08	0.36
		PM	1.04	4.57
		PM_{10}	1.04	4.57
		$PM_{2.5}$	1.04	4.57

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
WP-CTG/HRSG	West Plant Combustion Turbine Normal Operating Emissions	NO_x	0.96	3.54
		CO	12.10	79.40
		VOC	0.76	2.84
		SO_2	0.34	0.52
		PM	1.80	5.06
		PM_{10}	1.80	5.06
		$PM_{2.5}$	1.80	5.06
		H_2SO_4	0.08	0.12
		$(NH_4)_2SO_4$	0.10	0.16
		NH_3	1.66	5.07
EP-CTG/HRSG	East Plant Combustion Turbine Normal Operating Emissions	NO_x	0.96	3.54
		CO	12.10	79.40
		VOC	0.76	2.84
		SO_2	0.34	0.52
		PM	1.80	5.06
		PM_{10}	1.80	5.06
		$PM_{2.5}$	1.80	5.06
		H_2SO_4	0.08	0.12
		$(NH_4)_2SO_4$	0.10	0.16
		NH_3	1.66	5.07

Emission Sources - Maximum Allowable Emission Rates

Annual Limits for Boilers 1 and 2

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
BOILER1 and BOILER2	Central Plant Boiler No. 1 and Central Plant Boiler No. 2 Combined Annual Limits Firing Natural Gas and up to 200,000 gallons Fuel Oil	NO_x	---	17.13
		CO	---	16.95
		VOC	---	0.97
		SO_2	---	5.06
		PM	---	4.78
		PM_{10}	---	4.78
		$PM_{2.5}$	---	4.78

Short Term Limits for Boilers 1 and 2 when firing Fuel Oil

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
BOILER1 with Low-NO_x Burners	Central Plant Boiler No. 1, 124 MMBtu/hr firing Fuel Oil	NO_x	16.12	---
		CO	15.0	---
		VOC	0.93	---
		SO_2	41.73	---
		PM	2.92	---
		PM_{10}	2.92	---
		$PM_{2.5}$	2.92	---
BOILER2 with Low-NO_x Burners	Central Plant Boiler No. 2, 124 MMBtu/hr firing Fuel Oil	NO_x	12.4	---
		CO	15.0	---
		VOC	0.62	---
		SO_2	41.73	---
		PM	2.92	---
		PM_{10}	2.92	---
		$PM_{2.5}$	2.92	---

Emission Sources - Maximum Allowable Emission Rates

Fugitives and Planned Maintenance Emissions

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
BOILER9 MSS	West Chill Plant Boiler 140 MMBtu/hr Short Term MSS (6)	NO_x	4.20	---
		CO	14.70	---
WP-CTG/HRSG MSS	West Plant Combustion Turbine Short Term MSS	NO_x	2.36	---
		CO	180.77	---
		VOC	2.49	---
EP-CTG/HRSG MSS	East Plant Combustion Turbine Short Term MSS	NO_x	2.36	---
		CO	180.77	---
		VOC	2.49	---
TURB-MSS	ILE Turbine Maintenance Fugitives	NO_x	< 0.01	< 0.01
		CO	< 0.01	< 0.01
		VOC	0.53	< 0.01
		PM	0.09	0.02
		PM_{10}	0.09	0.02
		$PM_{2.5}$	0.09	0.02
		NH_3	< 0.01	< 0.01
WP-CTLOV	West Plant Combustion Turbine Lube Oil Vent	VOC	< 0.01	< 0.01
		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
EP-CTLOV	East Plant Combustion Turbine Lube Oil Vent	VOC	< 0.01	< 0.01
		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
WP-STLOV	West Plant Steam Turbine Lube Oil Vent	VOC	< 0.01	< 0.01
		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
EP-STLOV	East Plant Steam Turbine Lube Oil Vent	VOC	< 0.01	< 0.01
		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
WP-COOLTWR	West Plant Cooling Tower	PM	0.52	2.26
		PM_{10}	0.22	0.98
		$PM_{2.5}$	< 0.01	< 0.01
EP-COOLTWR	East Plant Cooling Tower	PM	0.27	1.17
		PM_{10}	0.12	0.51
		$PM_{2.5}$	< 0.01	< 0.01
VOC-FUG	Fuel fugitives	VOC	0.20	0.88
WP-NH3FUG	Ammonia fugitives	NH_3	0.05	0.21
EP-NH3FUG	Ammonia fugitives	NH_3	0.05	0.21

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
H_2SO_4 - sulfuric acid

Emission Sources - Maximum Allowable Emission Rates

$(NH_4)_2SO_4$ - ammonium sulfate
NH_3 - ammonia

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emission limits include planned startup and shutdown activities.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations. Emission rates include planned MSS activities.
(6) During periods of start-up, shutdown, and maintenance (30 percent or less of firing capacity).

Date: October 13, 2014